

PATENT APPLICATION
Docket No. 34650-00670USPT
P13949US/PT13010

ABSTRACT OF THE DISCLOSURE

A dynamic carrier selection method and system permit units operating on a
5 first carrier to change to a second carrier when performance of the first carrier
becomes unacceptable. Carrier quality measurements are taken in which carrier
quality is a function of interference and multi-path fading and carrier-signal
strength. The carriers are ranked according to measured quality in a carrier
candidate list. The carrier candidate list is used to permit units to determine which
10 carrier they should switch to when the carrier there currently operating on is
determined to have unacceptable performance. Carrier measurements are retaken
in response to a carrier change by unit or a predetermined time period having
elapsed.